

CLAIMS

1 to-259 (Cancelled)

260. (Amended) A method for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or the asynchronous operating type, the method comprising the steps of:

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1..<MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		GSM-MAP	
PLMN IDENTITY	C-GSM			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == " GSM-MAP") OR (CN TYPE == "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == " ANSI-41") OR (CN TYPE == "GSM-MAP AND ANSI-41")

261. (Amended) A method for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or the asynchronous operating type, the method comprising the steps of:

- a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1.. <MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		ANSI-41	
ANSI-41 INFORMATION ELEMENTS	C-ANSI			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == " GSM-MAP") OR (CN TYPE == "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == " ANSI-41") OR (CN TYPE == "GSM-MAP AND ANSI-41")

262 - 271 (Cancelled)

272. (Amended) An apparatus for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or the asynchronous operating type, comprising:

a storage device, contained in the radio network, for storing core network operating type information representing an operating type of a core network;

extraction block, contained in the radio network, for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block, contained in the radio network, for periodically providing the terminal with the core network operating type information contained in a message through a

wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1..<MAX SYS INFO BLOCK COUNT>		

>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		GSM-MAP	
PLMN IDENTITY	C-GSM			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == " GSM-MAP") OR (CN TYPE == "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == " ANSI-41") OR (CN TYPE == "GSM-MAP AND ANSI-41")

273. (Amended) An apparatus for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or the asynchronous operating type, comprising:

a storage device, contained in the radio network, for storing core network operating type information representing an operating type of a core network;

extraction block, contained in the radio network, for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block, contained in the radio network, for periodically providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1.. <MAX SYS-INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		ANSI-41	
ANSI-41 INFORMATION ELEMENTS	C-ANSI			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "GSM-MAP") OR (CN TYPE == "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "ANSI-41") OR (CN TYPE == "GSM-MAP AND ANSI-41")

274 - 287 (Cancelled)

288. (Amended) A method for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network is an ANSI-41 and GSM-MAP operating type, said method comprising the steps of:

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a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1..<MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		ANSI-41	
ANSI-41 INFORMATION ELEMENTS	C-ANSI			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == " GSM-MAP") OR (CN TYPE == "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == " ANSI-41") OR (CN TYPE == "GSM-MAP AND ANSI-41")

289 - 297 (Cancelled)

298. (Currently Amended) An apparatus for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the

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radio network is the asynchronous operating type and the core network is an ANSI-41 and GSM-MAP operating type, said apparatus comprising:

a storage device for storing core network operating type information representing an operating type of a core network;

extraction block for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block for providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1.. <MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		ANSI-41	
ANSI-41 INFORMATION ELEMENTS	C-ANSI			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == " GSM-MAP") OR (CN TYPE == "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == " ANSI-41") OR (CN TYPE == "GSM-MAP AND ANSI-41")

299 - 308 (Cancelled)

309. (Amended) A method for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network are a GSM-MAP operating type, said method comprising the steps of:

- a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message includes a system information message.

310. (Amended) A method for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network are a GSM-MAP operating type, said method comprising the steps of:

- a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1..<MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		GSM-MAP	
PLMN IDENTITY	C-GSM			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "GSM-MAP") OR (CN TYPE == "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "ANSI-41") OR (CN TYPE == "GSM-MAP AND ANSI-41")

311 - 319 (Cancelled)

320. (Amended) An apparatus for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network are a GSM-MAP operating type, said apparatus comprising:

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a storage device for storing core network operating type information representing an operating type of a core network;

extraction block for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block for providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS		1..<MAX SYS INFO BLOCK COUNT>		
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		GSM-MAP	
PLMN IDENTITY	C-GSM			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == " GSM-MAP") OR (CN TYPE == "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == " ANSI-41") OR (CN TYPE == "GSM-MAP AND ANSI-41")

321. (Cancelled).

322. (NEW) A method for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type, the method comprising the steps of:

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network,

wherein the message includes:

‘CN INFORMATION ELEMENTS’ information identifying the type of core network domain including one of a packet switch type and a circuit switching type;

‘CN type’ information representing the core network operating type information representing an operating type of a core network; and

‘PLMN IDENTIFY’ information identifying a Public Land Mobile Network for a GSM-MAP type of PLMN.

323. (NEW) The apparatus as recited in claim 322, wherein the message further includes scheduling information and a MIB value tag.

324. (NEW) An apparatus for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type, comprising:

a storage device, coupled to the radio network, for storing core network operating type information representing an operating type of a core network;

extraction block, contained in the radio network, for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block, contained in the radio network, for periodically providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message includes:

‘CN INFORMATION ELEMENTS’ information identifying the type of core network domain including one of a packet switch type and a circuit switching type;

‘CN type’ information representing the core network operating type information representing an operating type of a core network; and

‘PLMN IDENTIFY’ information identifying a Public Land Mobile Network for a GSM-MAP type of PLMN.

325. (NEW) The apparatus as recited in claim 324, wherein the message further includes scheduling information and a MIB value tag.

326. (NEW) An apparatus for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal is set as the asynchronous operating type, comprising:

a storage device, contained in the radio network, for storing core network operating type information representing an operating type of a core network;

extraction block, contained in the radio network, for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block, contained in the radio network, for periodically providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message includes:

‘CN INFORMATION ELEMENTS’ information identifying the type of core network domain including one of a packet switch type and a circuit switching type;

‘CN type’ information representing the core network operating type information representing an operating type of a core network; and

‘PLMN IDENTIFY’ information identifying a Public Land Mobile Network for a GSM-MAP type of PLMN.

327. (NEW) The apparatus as recited in claim 326, wherein the message further includes scheduling information and a MIB value tag.